CHARGE NUMBER : 2305

PROJECT TITLE : Flavor Development

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I. RL Flavor Development

Additive levels were modified in Pilot Plant tests of URL-150B to improve filling power and flavor. Several of the URL test sheets showed improved C.V. values. These test sheets are currently being screened for flavor improvement compared to the URL-150B control at 27.5% blend levels. Firmness tests and larger panel testing are planned for the most acceptable modifications.

Modification of reaction flavor levels are currently being tested in the Pilot Plant to improve the filling power of URL without changing the flavor.

Development of reaction flavors to duplicate Oriental character from URL looks promising at a 5% replacement level.

II. Reaction Flavors

Subjective differences noted among various sugars in reaction flavors are being evaluated for low delivery cigarettes. In-house testing of flavored models has shown improved flavor response. Virginia Panel testing of the most acceptable model has been requested.

Reaction flavors from amino acids, sugars and organic acids in alcohol have shown a smoothing effect on cigarettes containing 30% RL. Evaluation of other combinations of precursors is in progress.

Carbonized materials have been evaluated which were flavored with reaction flavors. Subjectively these were smoother and thinner than the untreated materials.

III. References

1. Notebook #7033; Pages 77-95.

2. Notebook #7061; Pages 20-32.

3. Notebook #7088; Pages 20-31.

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